| Index | of C | laims | |
|-------|------|-------|---------------------------|
| | | | Designation of the second |

| Appl | ication | n/Control | No. |
|------|---------|-----------|-----|
| | | | |

10/001,940

Examiner

Reexamination

NOLTE ET AL.

Applicant(s)/Patent under

Art Unit

Raymond J. Bayerl

2173

Rejected Allowed (Through numeral)
Cancelled

Restricted

Non-Elected N

Interference

Appeal

Objected

0

| Cla | aim | Date | | | | | | | | | |
|-------------|--|----------------|----------|----------|--|--------------|--------------|--|--------------|-----------------|--|
| | | 4 | Γ | Π | | Π | | | | | |
| Final | Original | 8 | l | | | | | | | | |
| ᆵ | <u>`</u> E | 2 | | | | | | | | | |
| | 0 | = | | | | | | | | | |
| | 1 | 1 | _ | T | t | T | Ħ | <u> </u> | | Г | |
| | 2 | V | ┪ | \vdash | — | <u> </u> | H | T | <u> </u> | | |
| | 3 | j | \vdash | \vdash | | | | \vdash | <u> </u> | | |
| <u> </u> | 4 | ij | \vdash | \vdash | ╁ | ┢ | \vdash | \vdash | ╁ | - | |
| | 1 2 3 4 5 6 7 | j | \vdash | ╁ | ╁ | ⊢ | ╁ | ╁ | ╁ | \vdash | |
| | 5 | 1 | - | ┢ | ⊢ | ├ | \vdash | \vdash | ┢ | \vdash | |
| _ | 7 | 1 | - | \vdash | ┝ | \vdash | ⊢ | ┢ | ┝╌ | \vdash | |
| | - | 7 | ┢ | ⊢ | ⊢ | ⊢ | ┢ | ┢ | | - | |
| | + | 7 | <u> </u> | ⊢ | ⊢ | ├ | ├ | ⊢ | ├ | Н | |
| | 40 | V J | | ⊬ | ┢ | ├ | ├ | ⊢ | ⊢ | Н | |
| | 10 | V / | _ | ⊬ | ├ | ⊢ | ┞ | <u> </u> | _ | \vdash | |
| - | 11 | V | <u> </u> | ⊢ | ┝╌ | ⊢ | - | ļ | <u> </u> | - | |
| <u> </u> | 12 | \ \ \ | <u> </u> | — | \vdash | ├ | ! | - | \vdash | Ш | |
| <u> </u> | 13 | Ÿ | <u> </u> | 1 | ــــ | <u> </u> | | ļ | <u> </u> | Ш | |
| _ | 14 | Y | <u> </u> | _ | ┞ | <u> </u> | L | | <u> </u> | Ш | |
| | 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 | ١ | <u> </u> | ⊢ | L | L | L_ | L | _ | Ш | |
| <u> </u> | 16 | 1 | <u> </u> | L | \perp | Ь. | L | \vdash | <u> </u> | Ш | |
| | 17 | 1 | | | | | | L | L | Ш | |
| | 18 | 1 | | | | | | | | | |
| | 19 | 1 | | | | | | | | | |
| | 20 | 1 | | | | | | | | | |
| | 21 | 1 | | | | | Г | | | | |
| | 22 | 1 | | | П | Π | | | | П | |
| | 23 | 1 | | | | | | | - | П | |
| | 24 | 1 | | Г | | | | | | | |
| | 25 | 1 | | <u> </u> | | | | | | П | |
| | 26 | 1 | | | | | - | Г | T | П | |
| | 27 | 1 | | | | | _ | | | | |
| | 28 | 7 | _ | | | | | | | | |
| | 29 | 1 | - | lТ | | | | | \vdash | \Box | |
| | 30 | Ť | | \vdash | | | - | \vdash | - | Н | |
| | 31 | Ť | | _ | | - | | \vdash | \vdash | Н | |
| | 32 | Ť | - | \vdash | | \vdash | ┢ | | \vdash | Н | |
| - | 33 | ij | \vdash | \vdash | \vdash | \vdash | ├ | \vdash | - | H | |
| \vdash | 34 | ij | - | ├ | \vdash | \vdash | \vdash | \vdash | - | $\vdash \vdash$ | |
| | 35 | + | | \vdash | - | \vdash | \vdash | \vdash | - | $\vdash \vdash$ | |
| | 30 31 32 33 34 35 36 | | | \vdash | \vdash | \vdash | | | \vdash | $\vdash \vdash$ | |
| | 37 | - | - | ├— | \vdash | - | | ├ | \vdash | $\vdash \dashv$ | |
| | 37 38 39 | | | - | ╁ | \vdash | \vdash | \vdash | | $\vdash\vdash$ | |
| | 30 | \vdash | | \vdash | \vdash | \vdash | | ⊢ | \vdash | $\vdash \vdash$ | |
| | 40 | $\vdash\dashv$ | _ | <u> </u> | \vdash | | | | \vdash | $\vdash \vdash$ | |
| | 41 | | | <u> </u> | - | <u> </u> | <u> </u> | ├ | ├— | Щ | |
| | | \dashv | _ | ├ | \vdash | | <u> </u> | <u> </u> | ļ | Ы | |
| | 42 | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Щ | |
| | 43 | _ | _ | | <u> </u> | \vdash | <u> </u> | <u> </u> | Ļ | Щ | |
| | 44 | \Box | | <u> </u> | <u> </u> | <u> </u> | L_ | Щ. | Щ. | Щ | |
| | 45 | | | L_ | <u> </u> | L., | _ | | L. | | |
| | 46 | | | _ | _ | L | | Ш | | Ш | |
| | 47 | | | | | | | | | | |
| | 48 | | | L., | | | | | | | |
| | 49 | | | | | | | | | | |
| • | 50 | | | | | | | | | П | |

| Date | | | |] | Claim | | | Date | | | | | | | | | |
|----------|-----------|----------|----------|----------|----------|-----|----------|----------|-----------|-----------------|-----------|-----------|-----------|----------|--|----------|-----------|
| \top | Т | | Π | | П | 1 | | | | | | | | | Γ | Γ | П |
| | | | 1 | | | | ام | Original | | | | | | | | l | |
| | | 1 | 1 | ļ | | | Final | Ē | | | | | | | | | |
| | | 1 | 1 | | | | - | 0 | | | | | | | | | |
| \top | T | T | 1 | \vdash | | 1 | | 51 | \vdash | | | | | | - | - | |
| | + | t | t | <u> </u> | | 1 | | 52 | - | - | | | \vdash | | | | \vdash |
| \top | T | T | \vdash | \vdash | | 1 | | 52 53 | | \vdash | | | | _ | \vdash | | |
| + | ✝ | \vdash | T | t | | 1 | | 54 | | _ | | _ | | \vdash | \vdash | \vdash | \vdash |
| | ✝ | ╁ | 1 | T | Т | 1 | | 55 | | | | | | _ | | \vdash | Н |
| \top | +- | t | <u> </u> | ┢ | _ | 1 | | 56 | | Н | | - | | \vdash | ┢┈ | ╁ | Н |
| \dashv | + | t | t | <u> </u> | \vdash | 1 | | 57 | | | | | | \vdash | - | - | Н |
| \top | + | T | | t | - | 1 | | 58 | | | | _ | | _ | \vdash | | Н |
| 十 | | 1 | Т | t | | 1 | | 59 | | | | | | _ | | \vdash | Н |
| 十 | 1 | 1 | T | \vdash | \vdash | 1 | · · | 60 | | | | _ | | _ | \vdash | \vdash | Н |
| | T | t | H | | 1 | 1 | | 61 | | \neg | | | | | \vdash | _ | М |
| | T | 1 | | | | 1 | | 62 | | | \neg | | | | Т | \vdash | H |
| 十 | \top | | _ | | | 1 | | 63 | | П | | | _ | | | - | H |
| 1 | T | | | | | 1 | | 64 | т | \dashv | \exists | | | Т | Ι | | H |
| 1 | \top | t | 1 | Т | | 1 | | 65 | | \Box | | | | Н | | H | H |
| \neg | \top | | T | | <u> </u> | 1 | | 66 | | | \neg | | | | _ | \vdash | H |
| | \dagger | 1 | | Г | | 1 | | 67 | | | | | | | | H | \vdash |
| - | \top | T | 1 | Г | \vdash | 1 | | 68 | | \neg | | | | _ | | \vdash | Н |
| _ | ╈ | | | _ | \vdash | | | 69 | | | | | | | | | |
| \top | 1 | T | | | | i | | 69 70 | | | | | | | | | |
| ╅ | \top | t | | | | 1 1 | | 71 | | | | | | | _ | | |
| \dashv | \dagger | | | | | li | | 72 | | | | _ | | _ | | | Н |
| | t | 1 | T | 1 | Г | 1 | | 72 73 | | | | _ | | | - | | Н |
| _ | T | T | | | | 1 | | 74 | | | \neg | _ | | | _ | | Н |
| _ | + | | | Т | | 1 1 | | 75 | | T | _ | \neg | | | _ | - | Н |
| | 1 | 1 | Г | | \vdash | 1 1 | | 76 | | | | | | | _ | ┢ | \Box |
| \top | | 1 | | | | 1 1 | | 77 | | \neg | | | | | | \vdash | \Box |
| 十 | T | | | | | | | 78 | \neg | _ | | \neg | | | | \vdash | \exists |
| | | T | | | | | | 79 | \exists | \neg | \neg | _ | _ | | | _ | |
| | İ | T | | | | | | 80 | | | | | | | _ | \vdash | |
| | 1 | ┞ | Г | | | | | 81 | | \neg | | _ | | | | \vdash | \neg |
| 1 | \top | Т | | | | | \neg | 82 | \dashv | \neg | \dashv | _ | | | - | _ | \vdash |
| \top | T | ऻ | Т | П | | - | | 83 | \dashv | _ | \dashv | | \dashv | | $\overline{}$ | \vdash | Н |
| \neg | T | 1 | Т | | | 1 1 | | 84 | | \dashv | \dashv | \neg | \dashv | | _ | \vdash | \vdash |
| 1 | \top | t | | | | | | 85 | | \dashv | | _ | \exists | | | | \vdash |
| \top | \top | | i – | П | П | | | 86 | \neg | - | | | | | | | \vdash |
| \top | 1 | \vdash | Ι | П | П | | | 87 | \neg | $\neg \uparrow$ | \neg | \dashv | \neg | _ | | | Н |
| \top | 1 | | | | \Box | | | 88 | | 一 | | \exists | \neg | | | | \dashv |
| \top | 1 | | | \Box | | | | 89 | | 一 | \dashv | \neg | \neg | | | Н | \vdash |
| \top | 1 | T | <u> </u> | Н | Н | | | 90 | \dashv | \dashv | \dashv | \dashv | - | | | \vdash | \dashv |
| _ | 1 | | Т | Н | | | \dashv | 91 | \dashv | \dashv | _ | \dashv | \neg | - | | | \dashv |
| \top | T | Г | T | | | | | 92 | | \dashv | | \dashv | \dashv | - | | H | |
| 十 | 1 | | | | | | | 93 | _ | 1 | 一 | \neg | \neg | \neg | | \vdash | \dashv |
| 1 | † | T | Ī | П | | | | 94 | 1 | _ | \dashv | | | _ | _ | \vdash | \dashv |
| 1 | † | T | | | | | | 95 | \dashv | 一 | 一 | | | | _ | Н | \dashv |
| \top | T^- | | | | | | | 96 | | _ | | | | \neg | | \dashv | |
| \top | ✝ | T | \vdash | М | | } | | 97 | _ | | - | - | | \dashv | - | \dashv | \dashv |
| +- | T | t | \vdash | \vdash | | | \dashv | 98 | _ | + | | \dashv | \dashv | \dashv | - | - | \dashv |
| \top | T | 一 | | H | | | \neg | 99 | | \dashv | \dashv | - | \dashv | | | | \dashv |
| \top | † | | | \vdash | \vdash | | | 100 | - | -+ | \dashv | | \dashv | \dashv | \dashv | | \dashv |
| | 1 | | Ц | ш | | ı L | | .50 | ! | | _ | | | | | | |

| Cl | aim | nim Date | | | | | | | | |
|----------|---|--|--------------|---------------------|--|----------|--|----------|--|----------------|
| | l . | | Г | П | | | | Ī | I | П |
| Final | Original | | | | | | | | | |
| | 101 | | | | | | | | | |
| | 102 | | | | | | | | | |
| | 102 103 | | L | | | Ĺ | | | | |
| | 104 105 | <u> </u> | <u> </u> | | _ | | | | | Ш |
| | 105 | | <u> </u> | | _ | | | _ | | |
| | 106 | <u> </u> | Ļ. | ļ | _ | _ | $oxed{igspace}$ | <u> </u> | L | |
| | 107 108 | | L. | _ | | _ | _ | <u> </u> | L | |
| | 108 | ┡ | ļ | ┡ | <u> </u> | <u> </u> | ┞ | _ | _ | 1_ |
| | 109 | _ | _ | ┡ | <u> </u> | - | <u> </u> | | <u> </u> | Ш |
| <u> </u> | 110 | ⊢ | | ⊢ | H | - | <u> </u> | H | ├ | H |
| - | 111 | ├ | ┝ | <u> </u> | ⊢ | H | - | H | ⊢ | Н |
| <u> </u> | 112 | ⊢ | - | <u> </u> | - | _ | | ├ | - | Н |
| - | 114 | ⊢ | \vdash | ├ | \vdash | ├ | \vdash | \vdash | \vdash | |
| - | 115 | \vdash | - | ┢ | - | \vdash | | - | ╁ | Н |
| | 110 111 112 113 114 115 116 | \vdash | \vdash | ┢ | \vdash | - | | | <u> </u> | Н |
| | 117 | | | ┢ | | | - | | ┢ | Н |
| | 118 | - | | H | | | ┢ | | | \vdash |
| | 118 119 | T | _ | | | | | 1 | \vdash | Н |
| | 120 | | | \vdash | \vdash | | | | | П |
| | 121 122 | Т | Г | | | | \vdash | | | П |
| | 122 | <u> </u> | | Г | | | | | Г | П |
| | 123 124 125 | | | | | | | | | П |
| | 124 | | | | | | | | | |
| | 125 | | | | | | | | | |
| | 126 127 128 | | | _ | L | | | | | Щ |
| | 127 | _ | | <u> </u> | L_ | _ | | | | Щ |
| | 128 | | _ | _ | ļ | <u> </u> | <u> </u> | | _ | Щ |
| | 129 130 131 | - | - | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | Щ |
| | 130 | - | ├- | | ┝ | | | <u> </u> | - | Н |
| | 131 | - | ⊢ | - | - | _ | - | | _ | \vdash |
| | 132 133 | | ⊢ | - | ├ | ⊢ | <u> </u> | | - | Н |
| | 134 | - | \vdash | - | \vdash | \vdash | ├ | | - | $\vdash\vdash$ |
| | 135 | | ╁ | \vdash | | \vdash | - | \vdash | ┢╾ | ${\mathbb H}$ |
| | 136 | \vdash | - | Н | \vdash | \vdash | \vdash | ┢ | \vdash | H |
| | 137 | l | T | \vdash | \vdash | | \vdash | \vdash | \vdash | H |
| | 137 138 | Г | <u> </u> | T | m | - | Г | 1 | T | Н |
| | 139 | | | | | | Г | <u> </u> | | П |
| | 140 | | | | | | | | | |
| | 141 | | | | | | | | | |
| | 142 | | | | | | | | | |
| | 143 | | <u> </u> | | | | | | | |
| | 144 | <u> </u> | <u> </u> | Щ | | L. | | | | |
| | 145 | <u> </u> | <u> </u> | <u> </u> | $ldsymbol{ld}}}}}}}}}$ | | L | | | Ш |
| | 146 | _ | <u> </u> | <u> </u> | _ | | <u> </u> | L | | Ш |
| | 147 | | <u> </u> | L_ | Щ | Щ | | L_ | L | Ш |
| | 148 | _ | - | L. | | | _ | L., | <u> </u> | Щ |
| • | 149 | | <u> </u> | $\vdash \downarrow$ | | Щ. | <u> </u> | <u> </u> | Ш | \sqcup |
| | 150 | | | L | | | | | | |